

COMPOSITE MAGNETIC HEAD

ABSTRACT OF THE DISCLOSURE

A magnetoresistive film 4, hard magnetic layers 22a and 22b disposed from both ends thereof for stabilizing the magnetoresistive film 4 and main electrode layers 24a, 24b for applying a current for sensing are disposed, the width of the pinning layer 12 is made narrower relative to the width of the free layer 14 in the magnetoresistive film 4 and overlaid electrode layers 21a, 21b are respectively disposed between the main electrode layer 24a and one end of the pinning layer 12 and between the main electrode layer 24b and the other end of the pinning layer 12. Thus, the respective low sensitivity regions near the contact portions respectively located between the hard magnetic layer 22a and one end of the magnetoresistive film 4 and between the hard magnetic layer 22b and the other end of the magnetoresistive film 4 are made into insensitive regions.

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